



Radio data sender for remote read-out of water meters



Remote wireless read-out of shaft, flat and hose water meters via radiotransmission

1. Ranges of application

- read-out of shaft, flat and hose water meters
- for any meters with an impulse out
- usable in combination with the remote indicator
- usable for the read-out over BUS
- read-out with Walk-In-receiver

2. Device description

Radio module read-out of water meters outside of the direct field of view. Can be used in combination with impulse module of the water meter (Reed-contact impulse out) and the radio data collector of the Neumann & Co. Group. Completely poured and water resistant.

3. Functional principle

Transference of the impulses delivered by the water meter via radiotransmission with a frequency of 433 MHz.

4. Highlights

- Compact and robust construction
- any distances bridgeable (by use as a radio bridge/ cascade)
- good propagation qualities and low disturbance sensitivity
- remote read-out of the water meters at any place and in absence of the end user
- the topical consumption any time readable
- the read-out is free from subjective manipulations

Technical data sheet

Technical data

Parameter	Value
frequency	433 MHz
antenna	internal
number of the impulse canals	2
power supply	2 batteries AA, approx. 2500mAh
typical service lifetime	approx. 5 years
operating temperature	0 °C to 50 °C
camp temperature	-20 °C to 60°C
connection (sender/receiver)	2x2 lines, approx. 10m long
dimensions (sender/receiver)	d=40mm h=120mm (approx.)
weight (sender/receiver)	ca. 120g
Sender:	
min. impulse length	45-120ms (customer individual)
sending power	approx. 10mW
range	approx. 15 – 30m in buildings
Receiver:	
type of the output	Open Drain
impulse frequency	max. 1,5Hz
internal resistance impulse out	>200 Ohm
impulse length	>150ms (prellfrei)
synchronization	on power-on

Scope of delivery (standard)

- 1 radio module
- 1 installation and assembly instructions

Accessories (option)

- remote indicator
- Walk-In-receiver
- PC-Software

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Technical changes reserved